STUDY REPORT

Study Title

PARTICLE SIZE DISTRIBUTION (GRANULOMETRY) TEST WITH

Author: Candice

Study completion date: 2011/7/28

Test Facility



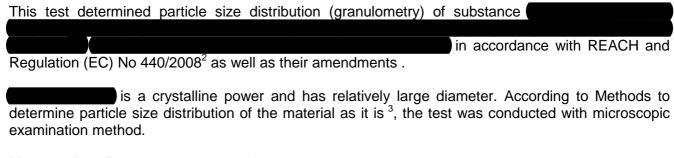
Report No.

P252-501-R7.14

GLP compliance NO

SUMMARY

Information on a substance 's particle size distribution (granulometry) is one of the standard information requirements under Annex VII, section 7.14 of Regulation (EC) No 1907/2006 (hereinafter "REACH Regulation"). The original particle size distribution is highly dependent on the industrial processing methods used and can also be affected by subsequent environmental or human transformations. There are no QSPR/QSAR tools available for predicting particle size and the data will therefore need to be experimentally determined.



Mass median diameter: 103.38__ microns

Particle size (percentile):

_% less than __ 50.57 microns % less than 58.12 microns % less than 171.08 microns

¹ List number for this substance is assigned by ECHA on 26/07/2011 (Inquiry No.:

² EU Regulation on the Testing Methods for REACH.

³ Guidance on information requirements and chemical safety assessment Chapter R.7a: Endpoint specific guidance, Table R.7.1-30, ECHA, 2008

TEST SUBSTANCE

Substance Name:

EC No.: (assigned by ECHA)

IUPAC Name:

CAS No.:

CAS Name:

Trade name:

Substance type: Mono constuitent substance

Purity: > 99%

Molecular formula:

Molecular Weight:

Impurities: It is not technically possible to identify them. Number of unknown

impurities: 2

Aggregate state at

room temperature: Crystalline powder

Colour: White

Odour: Odorless

Storage conditions:

METHOD

Study period

Initiated date: 07/28/2011 Completed date: 07/28/2011

Type of distribution

volumetric distribution

Test Guideline/Method

Method: Microscopic examination

Principles of method:

Method and details	Material and size range	MMAD
Microscopic examination It is preferable to prepare		
samples directly in order not to influence shape and size of the particles. This method determines distribution of particles of respirable and inhalable size and does not refer to airborne dust or dispersed or nebulised particles.	Size range: 0.5-5000 microns (light microscope) and < 0.1 –	MMAD cannot be determined.

MMAD = mass median aerodynamic diameter

Test material equivalent to submission substance identify YES

Test procedure:

PLEASE HERE INDICATE. Furthermore the following information should be presented:

- Expected % change of reported values in the future (e.g. variations between production batches.)
- Sample preparation methods and analysis methods used
- Approximate information on particle shape (e.g. spherical, platelike, needle shaped)
- Lot number, sample number
- Suspending medium, temperature, pH
- Concentration
- Stoke's (effective hydrodynamic) radius Rs, distribution for 2<Rs<200 micron
- Mean value and approximate area (%) of any resolvable peak in Rs distribution
- % of particles with Rs <2 micron and Rs >200 micron

RESULT AND DISCUSSION

Mass median diameter: __103.38____

No.	Size (µm)	Distribution (%)
1	61	28
2	50	21
3	187	80
4	155	74
5	206	86

(Name and Signature of person responsible for the study)